DEPARTMENT OF THE ENVIRONMENT

SUMMARY

The Maryland Department of the Environment (MDE) is the State's primary agency responsible for environmental protection. MDE's mission is to protect and restore the quality of the State's land and water resources. The Department has broad regulatory, planning, and management responsibility for water quality, air quality, solid and hazardous waste management, stormwater management, and sediment control. The FY 2006 – FY 2010 Capital Improvement Program focuses on four goals: 1) reducing point and nonpoint source nutrient pollution to the Chesapeake Bay; 2) providing for safe, reliable, and adequate water and wastewater infrastructure; 3) mitigating flood damage; and 4) remediating sites contaminated by hazardous waste which pose a threat to public health or the environment.

Point Source Nutrient Reduction Strategies: A major focus for MDE's capital program is the reduction of nutrients entering the Chesapeake Bay through employment of Biological Nutrient Removal (BNR) and Enhanced Nutrient Removal (ENR). Extensive studies have determined that excess nutrients from wastewater treatment plant discharges, activities on agricultural and developed land, and sediment runoff from farms, construction sites, and other lands contribute to the degradation of water quality and living resources in the Bay. The results of these studies led to the 1987 Chesapeake Bay Agreement among the Bay States (Maryland, Virginia, Pennsylvania, and the District of Columbia) and the U.S. Environmental Protection Agency to reduce by 40%, from 1985 levels, the controllable loads of nutrients (nitrogen and phosphorus) entering the Bay. To meet the 40% reduction goal for point source discharges (reductions of 16.7 million pounds per year for nitrogen and 1.7 million pounds per year for phosphorous), Maryland has targeted 66 major wastewater treatment facilities for nutrient removal upgrades through the use of BNR. These 66 major facilities have flows of 500,000 gallons per day or more and they contribute more than 95% of the total sewage flow generated in Maryland. Currently, there are 45 wastewater treatment plants in operation with BNR where, from 1985 levels, annual nitrogen loads have been reduced by 16.9 million pounds per year and phosphorous loads by 1.8 million pounds. To date, $208 million in State capital appropriations have been provided for point source nutrient removal projects. An additional 21 plants are proposed to complete their BNR upgrades at a cost of approximately $292 million, with the State's share being $146 million. The current five-year capital improvement program provides $91.5 million to complete BNR.

Subsequently, as a result of the 2000 Chesapeake Bay Agreement, additional reductions of nitrogen and phosphorous from major wastewater treatment plants were determined necessary for the Bay cleanup. To achieve these new goals (total annual reduction of nitrogen of 24.2 million pounds and of phosphorous of 1.96 million pounds), Enhanced Nutrient Removal (ENR) must be employed at the 66 major wastewater treatment facilities where feasible.

The Bay Restoration Fund was established to provide the funding necessary to upgrade wastewater treatment facilities statewide to achieve Enhanced Nutrient Removal (ENR). It will assist the efforts to further reduce nitrogen and phosphorus loading in the Bay by over 7.5 million pounds of nitrogen per year and over 260 thousand pounds of phosphorus per year, which represent over one-third of Maryland's commitment under the Chesapeake Bay 2000 Agreement. The Fund, financed by wastewater treatment plant users, will be used to upgrade Maryland's 66 major wastewater treatment plants with ENR technology so they are capable of achieving wastewater effluent quality of 3 mg/l total nitrogen and 0.3 mg/l total phosphorus. The facilities discharging to the Chesapeake Bay have priority. In addition, an annual fee will be collected from each home served by an onsite septic system. Sixty percent of these funds will be used for septic system upgrades and the remaining 40 percent will be transferred to the Department of Agriculture to be used for cover crops. The current five-year capital improvement program provides $579 million to complete ENR upgrades.

SUMMARY - CONTINUED

Nonpoint Source Nutrient Reduction Programs: Nonpoint source nutrient reduction programs focus on nonagricultural runoff from streets, parking lots, and other developed areas. The Stormwater Pollution Control and Small Creek and Estuary Restoration programs include construction of state-of-the-art stormwater management facilities to retrofit outdated stormwater systems and restoration of streams, creeks, estuaries, and wildlife/aquatic habitat through removal of organic-laden sediments and construction of structural and non-structural measures to stabilize and protect surface waters and habitat from future erosion and sedimentation. Funding for the Agricultural Cost-Share Program, which provides grants to farmers to adopt best management practices to reduce agricultural run-off, is funded under the Department of Agriculture.

Water and Wastewater Infrastructure: The Department has identified many communities in Maryland with water supply problems, some with potentially serious health risks. In addition, approximately 45 groundwater systems are estimated to be under the direct influence of surface water and will require modification to meet federal Safe Drinking Water Act regulations for protection from disease-causing organisms (e.g., giardia and viruses). MDE's most recent statewide needs survey has identified some $1.6 billion in water infrastructure improvements needed throughout Maryland. Water infrastructure projects are funded through the State's Drinking Water Quality Revolving Loan Fund and the Water Supply Assistance Programs. In addition to the pressing need for nutrient removal projects at wastewater treatment plants to effect a Chesapeake Bay cleanup, projects for the upgrade and replacement of obsolete sewage systems are needed to eliminate the discharge of raw sewage and to provide for adequate infrastructure to accommodate planned growth. The December 2001 Task Force on Upgrading Sewage Systems identified some $4.3 billion in total wastewater needs throughout the State. Wastewater infrastructure projects are funded through the State's Water Quality Revolving Loan Fund, and the Nutrient Removal Cost Share, Sewer Rehabilitation, and Supplemental Assistance Grant Programs.

Flood Mitigation: Flooding is the highest natural hazard risk in Maryland. Approximately 79,000 structures are prone to flood damage and an estimated 194,000 Marylanders live or work in flood-prone areas of the State. This program provides grants to local jurisdictions for projects which reduce the risk of loss of life and property from flooding. Grant funds may be used to acquire flood-prone properties for demolition or relocation, install flood-warning systems, and construct flood control projects.

Hazardous Substance Control: The Hazardous Substance Cleanup Program provides State participation in the Federal Comprehensive Response, Compensation and Liability Act (Superfund). Funds are used for remedial action at uncontrolled sites listed on the federal "Superfund" National Priorities List. In addition, State funds are used to clean up other uncontrolled waste sites within the State which do not qualify for the federal Superfund, but which pose a substantial threat to public health and the environment. Hazardous material remediation typically involves removal or treatment of contaminated soil, treatment of contaminated water, or construction of caps or other barriers to prevent exposure to contamination. Remediation efforts typically prevent human exposure to contaminants, protect drinking water supplies by removing contamination from groundwater, and prevent the degradation of environmental resources.

Five-Year Capital Improvement Program Summary

	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	TOTAL
Maryland Water Quality Revolving Loan Fund	70,000	70,000	70,000	70,000	70,000	350,000
Hazardous Substance Cleanup Program	1,500	1,700	1,700	1,700	1,700	8,300
Maryland Drinking Water Revolving Loan Fund	11,500	11,000	11,000	11,000	11,000	55,500
Enhanced Nutrient Removal Program	30,000	70,000	75,000	219,000	185,000	579,000
Sewer Rehabilitation Program	5,000	5,000	5,000	5,000	-	20,000
Septic System Upgrade Program	250	6,000	6,000	6,000	6,000	24,250
Biological Nutrient Removal Program	18,000	18,000	18,000	18,500	19,000	91,500
Supplemental Assistance Program	5,000	5,000	5,000	5,000	5,000	25,000
Water Supply Assistance Fund Program	2,500	2,500	2,500	2,500	2,500	12,500
Stormwater Pollution Control Program	711	750	750	1,000	1,000	4,211
Small Creek and Estuary Restoration Program	450	500	500	500	500	2,450
Comprehensive Flood Management Grant Program	-	500	500	500	500	2,000
TOTAL	144,911	190,950	195,950	340,700	302,200	1,174,711

CHANGES TO FY 2005 - FY 2009 CAPITAL IMPROVEMENT PROGRAM

Changes to FY 2006

Additions:

Bay Restoration Fund: The 2004 Legislature approved the Governor's proposal for the Bay Restoration Fund, comprised of three programs: Enhanced Nutrient Removal, Sewer Rehabilitation, and Septic System Upgrade. These three programs are funded with Special Funds derived from fees collected from households and businesses utilizing wastewater treatment plant services or on-site septic systems. Collection of these fees, beginning in January 2005, will provide partial funding for FY 2006.

Deletions:

Comprehensive Flood Management Grant Program: The Department did not submit a request for capital funds in FY 2006 due to a backlog in projects pending completion.

Changes to FY 2007 - FY 2009

None

All dollars in table are displayed in thousands.

FY 2006 - FY 2010 Capital Improvement Program
Grants and Loans

OFFICE OF THE SECRETARY
Budget Code: UA0103

Maryland Water Quality Revolving Loan Fund **FY 2006 Total** ***$70,000***

The Maryland Water Quality Revolving Loan Fund provides low-interest loans to local governments which finance wastewater treatment plant improvements. The Clean Water Act of 1996 and annual federal appropriations set up a schedule of capitalization grants to the states to initiate their revolving funds. These grants require a 20% State match. The FY 2006 budget will fund twelve projects in seven jurisdictions. Three projects will improve wastewater treatment plants serving 14,938 residences. Eight projects will improve sewers, storm drains, and pumping stations serving 419,725 residences. One project will restore 400 feet of stream bank. ***(Projects for FY 2006 are listed on page 51.)***

Source	**FY 2006**	FY 2007	FY 2008	FY 2009	FY 2010	TOTAL
GO Bonds	**7,618**	6,500	6,500	6,500	6,500	33,618
SF	**25,814**	31,000	31,000	31,000	31,000	149,814
FF	**36,568**	32,500	32,500	32,500	32,500	166,568
TOTAL	**70,000**	70,000	70,000	70,000	70,000	350,000

Budget Code: UA0104

Hazardous Substance Cleanup Program **FY 2006 Total** ***$1,500***

This program is responsible for the remediation of hazardous waste contaminated sites which pose a threat to public health or the environment and where there is no responsible party to perform the necessary cleanup. These remediations typically prevent human exposure to contamination, remove contamination from groundwater to protect drinking water supplies, and prevent degradation of environmental resources. The FY 2006 budget includes funds for three projects in three jurisdictions. ***(Projects for FY 2006 are listed on page 52.)***

Source	**FY 2006**	FY 2007	FY 2008	FY 2009	FY 2010	TOTAL
GO Bonds	**1,500**	1,700	1,700	1,700	1,700	8,300

All dollars are displayed in thousands. 45

Budget Code: UA0105

Maryland Drinking Water Revolving Loan Fund **FY 2006 Total** ***$11,500***

The Maryland Drinking Water Revolving Loan Fund provides low interest loans to local governments, which finance water supply improvements and upgrades. The Safe Drinking Water Act of 1996 and annual federal appropriations set up a schedule of grants to states to capitalize their revolving funds. These federal grants require a 20% State match. The FY 2006 budget includes funds for eight projects in four jurisdictions serving 423,000 households. ***(Projects for FY 2006 are listed on page 52.)***

Source	**FY 2006**	FY 2007	FY 2008	FY 2009	FY 2010	TOTAL
GO Bonds	**1,995**	1,875	1,875	1,875	1,875	9,495
SF	**2,819**	2,675	2,675	2,675	2,675	13,519
FF	**6,686**	6,450	6,450	6,450	6,450	32,486
TOTAL	**11,500**	11,000	11,000	11,000	11,000	55,500

Budget Code: UA0111

Enhanced Nutrient Removal Program **FY 2006 Total** ***$30,000***

The Enhanced Nutrient Removal Program provides grants to local governments to implement enhanced nutrient removal technology at the largest sewage treatment plants in Maryland. The goal of the Program is to fulfill Maryland's commitments under the multi-state Chesapeake Bay Clean Up Agreement for major reductions of nutrients – nitrogen and phosphorous – being discharged from sewage treatment plants into the Chesapeake Bay. The FY 2006 Enhanced Nutrient Removal Program recommendation of $30 million will fund ENR upgrades at 19 major wastewater treatment plants. ***(Projects for FY 2006 are listed on page 53).***

Source	**FY 2006**	FY 2007	FY 2008	FY 2009	FY 2010	TOTAL
SF	**30,000**	70,000	25,000	89,000	15,000	229,000
RB	**-**	-	50,000	130,000	170,000	350,000
TOTAL	**30,000**	70,000	75,000	219,000	185,000	579,000

All dollars are displayed in thousands. 46

Sewer Rehabilitation Program **FY 2006 Total** ***$5,000***

The Sewer Rehabilitation Program provides grants to local governments for combined sewer overflows (CSO's) abatement, rehabilitation of existing sewers, and upgrading conveyance systems, including pumping stations. The FY 2006 budget will provide funding for three projects to abate CSO's ($2.4 million); three projects to correct inflow/infiltration ($1.025 million); and one sanitary sewer rehab project ($1.575 million). ***(Projects for FY 2006 are listed on page 54).***

Source	**FY 2006**	FY 2007	FY 2008	FY 2009	FY 2010	TOTAL
SF	**5,000**	5,000	5,000	5,000	-	20,000

Budget Code: UA0112

Septic System Upgrade Program **FY 2006 Total** ***$250***

The Septic System Upgrade Program (SSUP) provides grants to septic system owners to upgrade failing systems and holding tanks with best available technology for nitrogen removal. There are approximately 420,000 onsite septic systems in Maryland.

Source	**FY 2006**	FY 2007	FY 2008	FY 2009	FY 2010	TOTAL
SF	**250**	6,000	6,000	6,000	6,000	24,250

Subtotals - Office of the Secretary

Source	**FY 2006**	FY 2007	FY 2008	FY 2009	FY 2010	TOTAL
GO Bonds	**11,113**	10,075	10,075	10,075	10,075	51,413
SF	**63,883**	114,675	69,675	133,675	54,675	436,583
FF	**43,254**	38,950	38,950	38,950	38,950	199,054
Rev Bonds	**-**	-	50,000	130,000	170,000	350,000
TOTAL	**118,250**	163,700	168,700	312,700	273,700	1,037,050

All dollars are displayed in thousands. 47

WATER MANAGEMENT ADMINISTRATION
Budget Code: UA04

Biological Nutrient Removal Program **FY 2006 Total** ***$18,000***

This program provides grants to local governments for the removal of nutrients from the discharges of sewage treatment plants. On average, the State provides approximately 50% of the total project cost, with the ability to provide 100% of the cost under the Environmental Article Title 9, Section 9-348. The FY 2006 budget includes funds for nine WWTP projects, which will reduce nitrogen levels by approximately 7.75 million pounds per year. ***(Projects for FY 2006 are listed on page 55.)***

Source	**FY 2006**	FY 2007	FY 2008	FY 2009	FY 2010	TOTAL
GO Bonds	**18,000**	18,000	18,000	18,500	19,000	91,500

Supplemental Assistance Program **FY 2006 Total** ***$5,000***

This program provides supplemental grant assistance to local governments participating in the construction of compliance-related wastewater facility improvements. Funds are targeted for two categories of projects: 1) projects where the community needs to construct improvements to their sewer system infrastructure, but is unable to afford the local share of the construction cost; and 2) projects where the community needs to construct improvements to its sewer system infrastructure, but is unable to completely afford the financing arrangements under the Maryland Water Quality Revolving Loan Fund. To achieve an affordable level of financing for grantees, the program may fund up to 100% of eligible project costs. The FY 2006 budget includes funds for 17 projects: nine projects are BNR projects: four are combined sewer overflow projects; three will improve sewer systems, and one is a non-BNR wastewater treatment project. ***(Projects for FY 2006 are listed on page 56.)***

Source	**FY 2006**	FY 2007	FY 2008	FY 2009	FY 2010	TOTAL
GO Bonds	**5,000**	5,000	5,000	5,000	5,000	25,000

All dollars are displayed in thousands. 48

Water Supply Assistance Fund Program **FY 2006 Total** ***$2,500***

This program provides grants to assist small communities in the acquisition, design, construction, and rehabilitation of publicly-owned water supply facilities throughout the State. The grant funds enable the State to continue its efforts to protect public health and enhance the quality of life. The program may fund up to 87.5% of the total eligible project cost and a minimum 12.5% local match is required. The FY 2006 budget includes funds for eleven projects in five jurisdictions, which will ensure safe drinking water for approximately 17,570 residences. ***(Projects for FY 2006 are listed on page 57.)***

Source	**FY 2006**	FY 2007	FY 2008	FY 2009	FY 2010	TOTAL
GO Bonds	**2,500**	2,500	2,500	2,500	2,500	12,500

Stormwater Pollution Control Program **FY 2006 Total** ***$711***

This program provides up to 75% matching grants to local governments for stormwater management (retrofit) projects to reduce non-point source pollution from existing developed areas. Grantees must contribute a minimum of 25% of the total project cost. The FY 2006 budget includes funds for four stormwater management retrofit and conversion projects in two jurisdictions that will contribute to the reduction of pollutant loads from an estimated 1,138 acres of developed land. ***(Projects for FY 2006 are listed on page 58.)***

Source	**FY 2006**	FY 2007	FY 2008	FY 2009	FY 2010	TOTAL
GO Bonds	**711**	750	750	1,000	1,000	4,211

Small Creek and Estuary Restoration Program **FY 2006 Total** ***$450***

This program provides grants to local governments for water quality cleanup projects in small creeks and estuaries. Typically, projects include dredging of polluted stream beds and streambank/channel stabilization. On average, projects are funded on a 50/50 cost-share basis with local governments; however, by law, MDE may provide up to 87.5% of the total project cost. The FY 2006 budget includes funds for three projects in three jurisdictions that will restore an estimated 10,500 linear feet of stream channels throughout the State. ***(Projects for FY 2006 are listed on page 58.)***

Source	**FY 2006**	FY 2007	FY 2008	FY 2009	FY 2010	TOTAL
GO Bonds	**450**	500	500	500	500	2,450

All dollars are displayed in thousands. 49

Comprehensive Flood Management Grant Program

The Comprehensive Flood Management Grant program provides grants to local governments for flood mitigation projects which reduce the risk of loss of life and property from flooding. Grant funds may be used to acquire flood-prone properties for demolition or relocation, installation of flood warning systems, and construction of flood control projects, including engineering studies required to support design of these projects. The program funds up to 75% of the non-federal project costs and are used primarily to match funds from the Federal Emergency Management Agency and U.S. Army Corps of Engineers. Local governments being served contribute the remaining 25% of the non-federal match.

Source	**FY 2006**	FY 2007	FY 2008	FY 2009	FY 2010	TOTAL
GO Bonds	**-**	500	500	500	500	2,000

Subtotals - Water Management Administration

Source	**FY 2006**	FY 2007	FY 2008	FY 2009	FY 2010	TOTAL
GO Bonds	**26,661**	27,250	27,250	28,000	28,500	137,661

Total Program - Department of the Environment

Source	**FY 2006**	FY 2007	FY 2008	FY 2009	FY 2010	TOTAL
GO Bonds	**37,774**	37,325	37,325	38,075	38,575	189,074
SF	**63,883**	114,675	69,675	133,675	54,675	436,583
FF	**43,254**	38,950	38,950	38,950	38,950	199,054
Rev. Bonds	**-**	-	50,000	130,000	170,000	350,000
TOTAL	**144,911**	190,950	195,950	340,700	302,200	1,174,711

All dollars are displayed in thousands. 50

Maryland Water Quality Revolving Loan Fund

Subdivision	Project	Total Cost	State Funding: Prior Auth.	State Funding: FY 2006 Request	State Funding: Future Request	Total State Share
Allegany	Frostburg Combined Sewer Overflow Phase III (A) (B)	20,000	-	1,000 PC	-	5%
Baltimore City	Baltimore City Sanitary Sewer Overflows (B)	35,257	-	29,782 C	-	84%
Baltimore City	Gwynns Run Interceptor Sewer	16,500	-	16,500 C	-	100%
Baltimore City	Lower Jones Falls Interceptor	10,692	-	10,692 C	-	100%
Calvert	Calvert County/Chesapeake Beach Headworks/Outfall Replacement	435	-	435 C	-	100%
Calvert	Chesapeake Beach Headworks/Outfall Replacement	686	-	686 C	-	100%
Calvert	North Beach/ Chesapeake Beach Headworks/Outfall Replacement	361	-	361 C	-	100%
Caroline	Town of Preston Wastewater Treatment Plant Upgrade	379	-	379 C	-	100%
Howard	Farewell Road Stream Restoration	130	-	130 C	-	100%
Talbot	St. Michaels Region II Sewer Collection System Improvements (B)	6,878	-	4,079 C	-	59%
Washington	Funkstown Wastewater Treatment Plant	1,876	-	1,876 C	-	100%
Washington	R.C. Wilson Sludge Dewatering Facility	4,080	-	4,080 C	-	100%
		97,274		70,000		

(A) Project also funded through the Supplemental Assistance Program.
(B) Project also funded through the Sewer Rehabilitation Program.

All dollars are displayed in thousands. 51

DEPARTMENT OF THE ENVIRONMENT

Hazardous Substance Cleanup Program

Subdivision	Project	Total Cost	State Funding: Prior Auth.	State Funding: FY 2006 Request	State Funding: Future Request	Total State Share
Baltimore City	Chemical Metals Site Restoration	550	50 P	500 C	-	100%
Baltimore	Environmental Restoration of the Sauer Dump Site	1,618	918 PC	700 C	-	100%
Cecil	Mill Creek Perchlorate Contamination	900	-	300 P	600 C	100%
TOTAL		3,068	968	1,500	600	

Maryland Drinking Water Revolving Loan Fund

Subdivision	Project	Total Cost	State Funding: Prior Auth.	State Funding: FY 2006 Request	State Funding: Future Request	Total State Share
Calvert	Chesapeake Water Association-Patapsco Well and Pump Plant	450	-	450 C	-	100%
Cecil	North East Water System Improvements	8,000	-	1,000 PC	-	13%
Cecil	Perryville Water Filtration Plant Upgrade and Storage Distribution System	7,900	-	4,050 C	-	51%
Garrett	Bloomington Water System	705	-	705 C	-	100%
Garrett	Crelin Water System	400	-	400 C	-	100%
Garrett	Mountain Lake Park Public Water System (A)	1,760	-	1,575 PC	-	89%
Garrett	Oakland Memorial Drive Water Extension	320	-	320 C	-	100%
Washington	Hagerstown West End Storage Tank-Phase I	3,000	-	3,000 C	-	100%
TOTAL		22,535	-	11,500	-	

(A) Project also funded through the Water Supply Assistance Fund Program.

All dollars are displayed in thousands. 52

Enhanced Nutrient Removal Program

			State Funding			
Subdivision	Project	Total Cost	Prior Auth.	FY 2006 Request	Future Request	Total State Share
Allegany	Celanese ENR	3,058	-	2,058 PC	1,000 C	100%
Cecil	Elkton ENR	4,000	-	600 P	3,400 C	100%
Cecil	Perryville ENR	2,000	-	1,500 PC	500 C	100%
Charles	Indian Head ENR	2,000	-	1,600 PC	400 C	100%
Charles	LaPlata ENR	1,000	-	250 P	750 C	100%
Charles	Mattawoman ENR	1,000	-	800 PC	200 C	100%
Frederick	Brunswick ENR	2,000	-	1,600 PC	400 C	100%
Frederick	Emmitsburg ENR	7,000	-	300 P	6,700 PC	100%
Frederick	Thurmont ENR	1,000	-	150 P	850 C	100%
Howard	Little Patuxent ENR	10,000	-	3,000 PC	7,000 C	100%
Kent	Chestertown ENR	2,000	-	1,500 PC	500 C	100%
Montgomery	Seneca ENR	2,000	-	1,500 PC	500 C	100%
Queen Anne's	Kent Island ENR	3,000	-	2,400 PC	600 C	100%
Talbot	Easton ENR	10,000	-	6,000 PC	4,000 C	100%
Talbot	St. Michaels ENR	1,000	-	800 PC	200 C	100%
Wicomico	Delmar ENR	1,000	-	200 P	800 C	100%
Wicomico	Salisbury ENR	5,000	-	1,542 P	3,458 C	100%
Worcester	Snow Hill ENR	1,000	-	200 P	800 C	100%
Regional	Patapsco ENR	50,000	-	4,000 P	46,000 PC	100%
		108,058	-	30,000 -	78,058	

All dollars are displayed in thousands. 53

DEPARTMENT OF THE ENVIRONMENT

Sewer Rehabilitation Program

Subdivision	Project	Total Cost	State Funding: Prior Auth.	State Funding: FY 2006 Request	State Funding: Future Request	Total State Share
Allegany	Cumberland Combined Sewer Overflow (B)	29,840	-	800 PC	3,200 PC	13%
Allegany	Frostburg Combined Sewer Overflow Phase III (A) (B)	20,000	-	800 PC	2,200 PC	15%
Allegany	Westernport Combined Sewer Overflow	19,000	-	800 PC	2,200 PC	16%
Baltimore City	Baltimore City Sanitary Sewer Overflow (A)	35,258		1,575 C	3,900 C	16%
St. Mary's	Piney Point/Evergreen Park Inflow/Infiltration	966	-	325 C	-	34%
Talbot	St. Michaels Region II Sewer Collection System Improvements (A)	6,879	-	500 C	1,600 C	31%
Washington	Halfway Inflow/Infiltration Rehabilitation (B)	1,652	-	200 C	-	12%
TOTAL		113,595	-	5,000	13,100	

(A) Project also funded through the Maryland Water Quality Revolving Loan Fund.
(B) Project also funded through the Supplemental Assistance Program.

All dollars are displayed in thousands. 54

Biological Nutrient Removal Program

			State Funding			
Subdivision	Project	Total Cost	Prior Auth.	FY 2006 Request	Future Request	Total State Share
Caroline	Federalsburg BNR (A)	1,300	450 PC	200 C	-	50%
Cecil	Elkton BNR	6,000	900 PC	1,000 C	1,100 C	50%
Charles	Indian Head BNR (A)	4,280	1,838 PC	302 C	-	50%
Frederick	Brunswick BNR (A)	3,306	1,533 PC	120 C	-	50%
Montgomery	Poolesville BNR	1,488	550 PC	194 C	-	50%
Queen Anne's	Kent Island BNR	32,742	8,726 PC	1,344 C	302 C	32%
Wicomico	Salisbury BNR	44,367	8,494 PC	2,501 C	780 C	27%
Regional	Blue Plains BNR	28,000	10,223 PC	1,500 C	2,277 C	50%
Regional	Patapsco BNR	150,000	4,958 P	10,839 P	59,203 PC	50%
TOTAL		271,483	37,672	18,000	63,662	

(A) Project also funded through the Supplemental Assistance Program.

All dollars are displayed in thousands. 55

DEPARTMENT OF THE ENVIRONMENT

Supplemental Assistance Program

Subdivision	Project	Total Cost	State Funding: Prior Auth.	State Funding: FY 2006 Request	State Funding: Future Request	Total State Share
Allegany	Celanese BNR	5,206	1,049 PC	252 C	-	25%
Allegany	Cumberland	29,840	2,724 PC	568 PC	3,708 PC	24%
Allegany	Frostburg CSO Elimination Phase III (B) (C)	20,000	486 PC	500 PC	4,014 PC	25%
Allegany	Niners Lane Sewer Project	120	-	100 C	-	83%
Allegany	Westernport Combined Sewer Overflow	19,000	562 PC	350 PC	4,088 PC	26%
Caroline	Federalsburg Biological Nutrient Removal (A)	1,300	200 PC	125 C	-	25%
Charles	Indian Head Biological Nutrient Removal (A)	4,279	-	500 C	570 C	25%
Dorchester	Cambridge CSO, Phase I-VI	7,115	1,600 PC	300 C	200 C	30%
Dorchester	Hurlock BNR	4,600	400 PC	125 C	625 C	25%
Frederick	Brunswick BNR (A)	3,306	500 PC	200 C	127 C	25%
Garrett	Memorial Drive Sewer Extension	449	-	300 C	-	67%
Kent	Chestertown BNR	2,940	500 PC	235 C	-	25%
Kent	Kennedyville WWTP and Collection System Upgrades	1,925	250 PC	375 C	-	32%
Queen Anne's	Centreville BNR	6,905	950 PC	275 C	501 C	25%
Somerset	Crisfield BNR	4,975	700 PC	313 C	-	20%
Washington	Halfway Interceptor Force Main Improvements (C)	1,652	640 PC	160 C	-	48%
Wicomico	Delmar BNR	1,686	100 PC	322 C	-	25%
		115,298	10,661	5,000	13,833	

(A) Project also funded through the Biological Nutrient Removal Program.
(B) Project also funded through the Maryland Water Quality Revolving Loan Fund.
(C) Project also funded through the Sewer Rehabilitation Program.

All dollars are displayed in thousands. 56

Water Supply Assistance Fund Program

Subdivision	Project	Total Cost	State Funding: Prior Auth.	State Funding: FY 2006 Request	State Funding: Future Request	Total State Share
Allegany	Clarysville Water Project	525	300 PC	160 C	-	87%
Allegany	LaVale Zone 1 Water Line Replacement	1,970	-	250 PC	500 C	38%
Allegany	Lonaconing Water Improvements-Phase IV and Phase V	5,322	-	313 C	687 C	19%
Allegany	Ridgedale Reservoir Replacement	2,500	-	350 PC	700 C	42%
Caroline	Federalsburg Water Tower Replacement	1,053	298 PC	300 C	185 C	74%
Caroline	Nelphine Heights/Jonestown Water Distribution System	700	404 PC	208 C	-	87%
Dorchester	Vienna New Water Well	77	-	64 C	-	83%
Garrett	Mountain Lake Park Public Water System (A)	1,760	-	175 PC	-	10%
Washington	Boonsboro Route 40 Water Extension	963	367 PC	310 C	-	70%
Washington	Highfield and Sharpsburg Water Treatment and Storage Tank	515	-	245 PC	200 C	86%
Washington	Mt. Aetna Water Treatment Plant Additional Water Source	250	-	125 PC	75 C	80%
TOTAL		15,635	1,369	2,500	2,347	

(A) Project also funded through the Maryland Drinking Water Revolving Loan Fund.

All dollars are displayed in thousands. 57

DEPARTMENT OF THE ENVIRONMENT

Maryland Stormwater Pollution Control Program

Subdivision	Project	Total Cost	State Funding: Prior Auth.	State Funding: FY 2006 Request	State Funding: Future Request	Total State Share
Anne Arundel	Beacrane Road Bog Rehabilitation	178	-	134 C	-	75%
Anne Arundel	Old Country Road Stormwater Bog	179	-	134 C	-	75%
Montgomery	Carnation Drive/ I-270 Stormwater Management - Bog	470	-	352 C	-	75%
Montgomery	Olney Oaks Stormwater Pond Retrofit	121	-	91 C	-	75%
TOTAL		948		711	-	

Small Creek and Estuary Restoration Program

Subdivision	Project	Total Cost	State Funding: Prior Auth.	State Funding: FY 2006 Request	State Funding: Future Request	Total State Share
Caroline	Marshyhope Creek Restoration	1,080	506 PC	174 C	130 C	75%
Montgomery	Spruell Drive Tributary of Joseph's Branch Stream Restoration	352	-	176 PC	-	50%
Prince George's	Redwood Court Stream Restoration	400	50 P	150 C	-	50%
TOTAL		1,832	556	500	130	
Funds Available at the end of FY 2005				(50)		
				450		

All dollars are displayed in thousands. 58